DIY LED TAPE KIT

User Manual

DIY LED TAPE KIT - SINGLE COLOUR

Introduction:

Thank you for purchasing the Fluxia DIY LED Tape Kit. LED tape is ideal for use on the underside of a counter tops, shelves, cupboards, around window frames or in an alcove of a ceiling to name just a few examples.

Before starting please ensure that you have read this instruction leaflet carefully.
If you are unsure about anything please have this installed by a competent installer.

Blister Contents:

1 x 5m reel of LED tape
1 x Power supply with 3 region adaptors (UK, EU & Worldwide)

Possible Required tools: Scissors, Craft knife, Soldering iron and solder, 2 core DC wire and heat shrink tube.

Step 1: Preparation

Ensure that the surface you are attaching to is clear of dust and dirt. Clean thoroughly and leave to dry before fitting the tape.

Unravel the tape and connect the power supply. Check that all the LEDs are functioning correctly and if there are any faults return to your retailer without delay.

Step 2: Cutting

WARNING: Disconnect from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors at the marked 5cm intervals to achieve the perfect length. Do not discard any excess tape as it can be easily reconnected and used again (see FIG 2).

Step 3: Fitting:

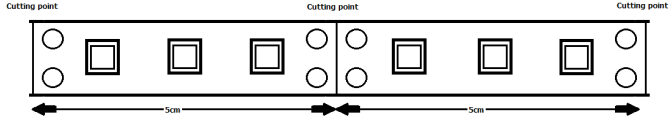
Example 1: Simple straight run.

Clear the area you wish to install the tape and remove the backing paper, exposing the adhesive tape. Push tape firmly onto the surface. It is recommended to work on 50cm sections at a time in order to ensure a professional finish. When you reach the end of your installation cut at the marked cutting point.

Example 2: Requires cutting:

The tape can be cut at highlighted 5cm intervals for a perfect fit.

FIG 1:



You may also reconnect the two pieces by soldering the connection points together (FIG 2). The tape has two tracks for the DC voltage with + positive pole at the top and – negative pole at the bottom.

To reattach, use a craft knife to cut the Epoxy coating from the terminals.

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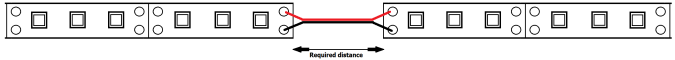
Use a soldering iron and solder to connect the DC wire to the relative terminals be sure not to cause a short circuit when making these connections, as this will result in malfunction and possible damage to the power supply.

FIG 2:



WARNING: Only cut the tape on the highlighted intervals. Cutting the tape in other parts without due care will permanently damage that section of the tape and will result in malfunction.

Points to remember when using this tape

1) Only use the supplied power supply for 5m.
2) Only cut the tape at the highlighted 5cm intervals.
3) Do not connect another reel and operate from a single power supply as this will seriously affect the performance.
3) The top track of the tape is the + Positive pole.
4) The bottom track of the tape is the – negative pole.
5) Ensure you connect the correct wires otherwise the tape will not work.
6) Ensure that when soldering there are no short circuits
7) We recommend use of heat shrink tubing to protect the connection.
8) Check that everything operates correctly before installing.

FAQ:

Q) Can I connect different colours in a chain?
A) Yes all the LEDs draw the same power, current and have the same connection but do not exceed 5m.

Q) Can you cut a 5m tape into many different sections then connect them all together?
A) Yes as long as you cut the tape at 5cm intervals highlighted.

Q) I have connected two reels together off one power supply and the LEDs are dim towards the end.
A) This product is designed to be used at a maximum of 5m. Anything longer will seriously affect the performance.

Q) Can I connect the tape together to form a loop?
A) Yes you can. This will even the brightness out on the LEDS across the 5m length

Q) Can I use the tape outdoors?
A) Yes, the tape is IP65 rated. Ensure that the terminated ends are heat shrink protected.

Q) Can I clean the tape?
A) Yes, the tape is IP65 rated and has an epoxy coating. Just wipe down with a damp cloth regularly to ensure continuing brightness

Q) Can I replace / patch damaged tape with a new piece
A) Yes, just highlight the effected area by the 5cm intervals. Cut out the faulty section then fit in a new piece soldering the connections securely and using heat shrink to protect the repaired connection.

Specifications

Voltage	12Vdc
Current consumption	480mA/m
Power consumption	5.76W/m
Number of LEDs	60/m
LED Spacing	16mm
Cut intervals	5cm
Beam angle	140° - 160°
LED type	SMD3528
IP rating	IP65

DIY LED Tape Kit User Manual

LED DIY TAPE KIT - RGB MULTI COLOUR

Introduction:

Thank you for purchasing the Fluxia DIY RGB LED Tape. LED tape is ideal for use on the underside of a counter tops, shelves, cupboards, around window frames or in an alcove of a ceiling to name just a few examples.

Before starting please ensure that you have read this instruction leaflet carefully.
If you are unsure about anything please have the tape installed by a competent installer.

Contents:

1 x 5m reel of RGB LED tape
1 x Power supply with 3 region adaptors (UK, EU & Worldwide)
1 x Control Box with IR remote handset

Possible required tools: Scissors, Craft knife, Soldering iron and solder, 4 core DC wire and heat shrink tube.

Step 1: Preparation

Ensure the surface you are attaching to is clear of dust and dirt. Clean thoroughly and leave to dry before fitting the tape.

Step 2: Connecting IR Controller:

Connect the 4pin connector to the control box and then to the LED tape (FIG 1). Plug in the power supply and use the IR remote control to select the various functions (Fig 2).

Unravel the tape to check that all the LEDs are functioning correctly. If there are any faults return to your retailer without delay.

FIG 1:

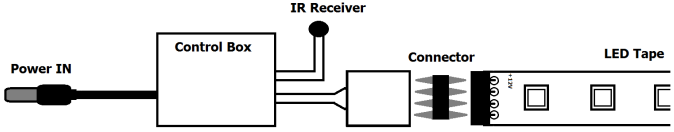


FIG 2:

Brightness Rise (+)	Brightness Drop (-)	Off	On
Static Red	Static Green	Static Blue	Static White
Static Orange	Static Light Green	Static Deep Blue	7 Colour changing program
Static Deep Yellow	Static Cyan	Static Brown	Gradually changing
Static Yellow	Static Light Blue	Static Pink	7 Colour fade changing
Static Light Yellow	Static Sky Blue	Static Purple	3 Colour quick changing

Step 2: Cutting

WARNING: Disconnect from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors only at the marked 10cm intervals. Do not discard any excess tape as it can be easily reconnected and used again (see FIG 4).

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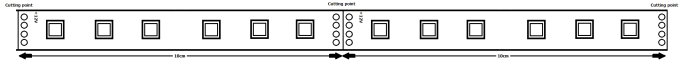
Step 4: Fitting:

Clear the area you wish to install and remove the backing paper, exposing the adhesive tape. Push tape firmly onto the surface. It is recommended to work on 50cm sections at a time in order to ensure a professional finish. When you reach the end of your installation cut at the marked cutting point.
The tape can be terminated at highlighted 10cm cut intervals if less than 5m is required.

FIG 3:

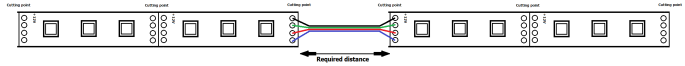


You may also reconnect the two pieces by soldering the point connections together. The tape has 4 tracks for the DC voltage:

Common (indicated as "+12V" on the tape), **Green**, **Red and Blue**

To re-attached use a craft knife to cut the Epoxy coating from the terminals.
Use a soldering iron and solder to connect the DC wire to the relative terminals be sure not to cause a short circuit in the process as it will not work.

FIG4:



WARNING: Only cut the tape on the highlighted intervals. Cutting the tape in other parts without due care will permanently damage that section of the tape and will result in malfunction.

Points to remember when using this tape

1) Only cut the tape at the highlighted 10cm intervals.
2) Do not connect another reel and operate from a single power supply as this will seriously affect the performance.
3) Ensure you connect the correct wires otherwise the tape will not work.
4) Ensure that when soldering there are no short circuits
5) We recommend use of heat shrink tubing to protect the connection.
6) Check that everything operates correctly before installing.

FAQ:

Q) Can you cut a 5m tape in many of different sections then solder connect them all together?
A) Yes as long as you cut the tape at 10cm intervals highlighted

Q) Can I connect the tape together to form a loop?
A) Yes you can as long as both sides have a sufficient power supply it is possible

Q) Can I use the tape outdoors?
A) Yes the tape is IP65 rated. Ensure though that the terminated ends are heat shrink protected.

Q) Can I use the LED tape without a controller?
A) Yes you can but you can only have a choice of 7 permanent colours. It will be a better solution to buy the single colour tape.

Specifications

Voltage	12Vdc
Current consumption	600mA/m
Power consumption	7.2W/m
Number of LEDs	30/m
LED Spacing	32mm
Cut intervals	10m
Beam angle	140° - 160°
LED type	SMD5050
IP rating	IP65

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